PROJECT
One new 50kW Wind Turbine 25m Hub Height
Slate House Farm
Onecote, Leek, Staffordshire. ST13 7SF

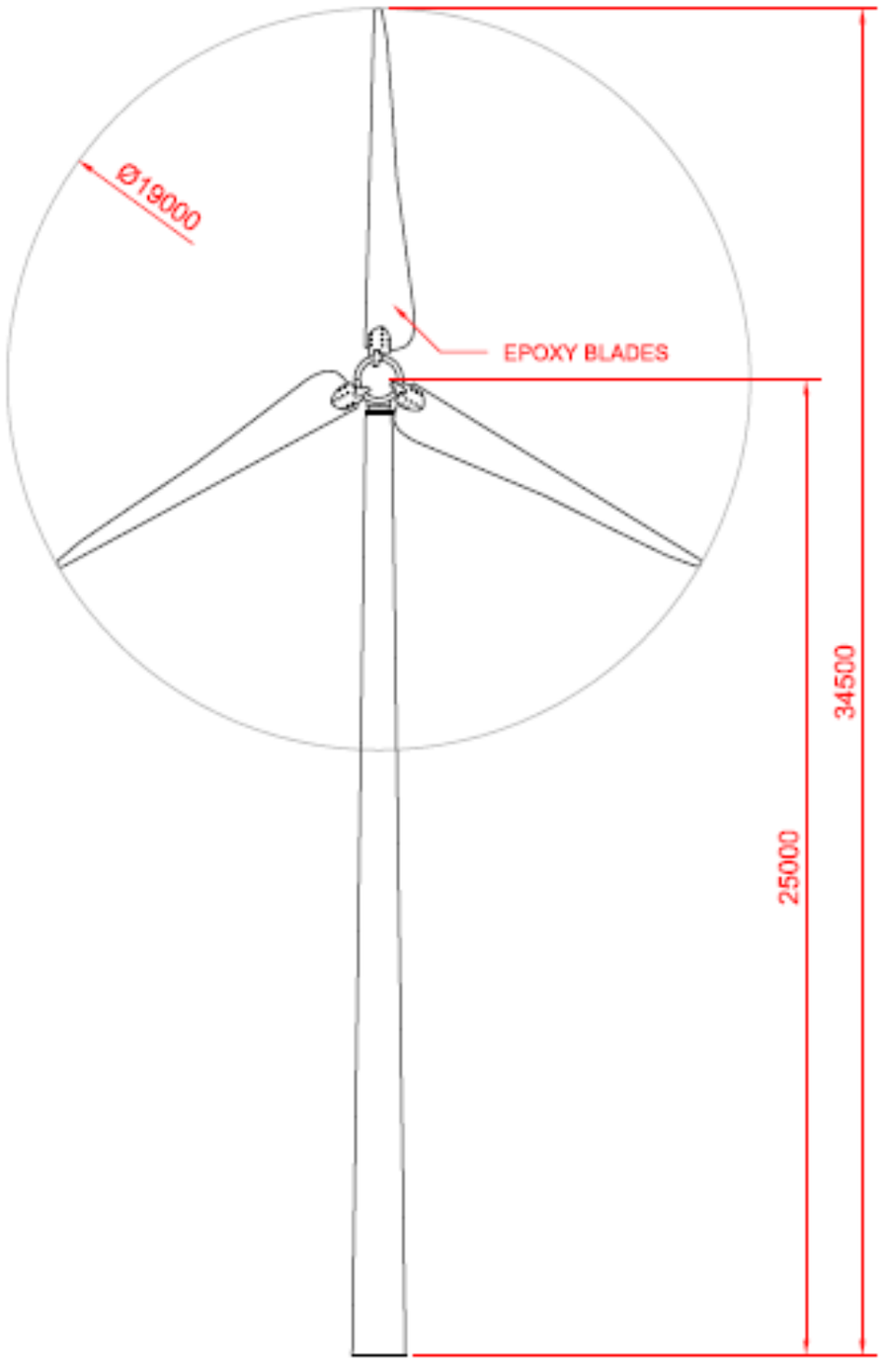
TITLE Proposed:-
Turbine Elevations

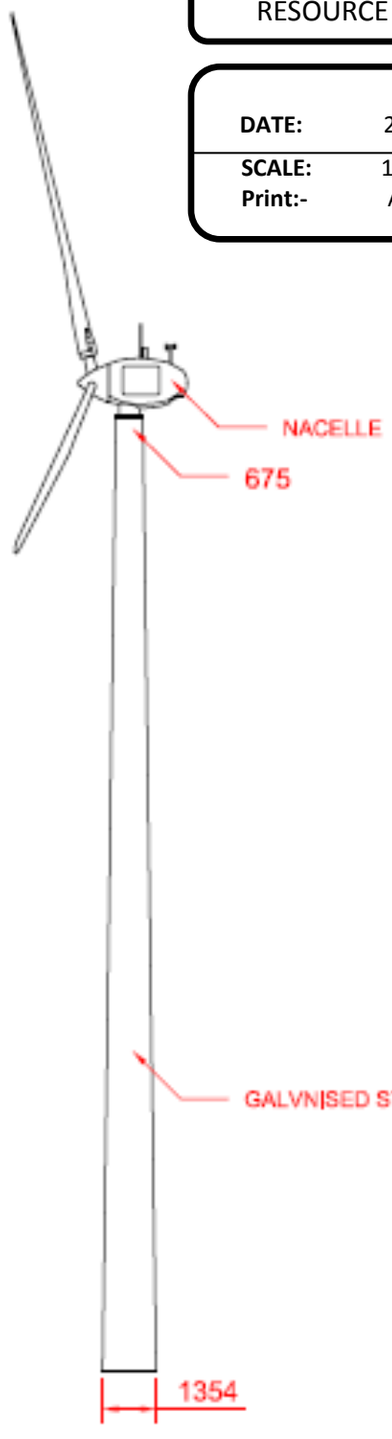
AGENT
RESOURCE UK / LESS CO2 LIMITED

CLIENT
less-co2 limited
Highup Farm,
Highup Lane, Leek. ST13 8SD

DATE:	22nd Jan 2010	DRAWING No.	REV
SCALE:	1:250		
Print:-	A3	SHF-02	1.1

PLANNING ISSUE





Wind Turbine Specification	
Manufacturer	Endurance Wind Power
Model	E-3120
Colour	White
Rated Output	50kW
Cut-In Speed	3 m/s
Type	Direct Grid Tie
Cut-Out Speed	25 m/s
Rated Speed	11 m/s
Rotor Type	3 blades, horizontal axis, downwind
Cone angle	30 degrees
Tilt angle	0 degrees
Rotor diameter	19.2 m
Swept area	290m^2
Rotor Speed	41.67 rpm
Blade Length	9 m
Tip Speed	41.9 m/s
Blade Material	Fiberglass / Epoxy
Generator Type	Induction, 4-pole. 3-Ph
Elec. Output	400v, 50Hz. 3-Ph
Design Lifetime	30 yrs
Power Regulation	Stall Control (Constant Speed)
Mast Specification	
Type	Tapered self supporting
Material	Galvanised Steel
Colour	Dull Grey
Hub Height	25 m

less co2 limited, High Up Farm, High Up Lane, Leek, Staffordshire. ST13 8SD T/01538 370131 M/07941 326137
john@less-co2.co.uk www.less-co2.co.uk
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